



Date: April 7, 2015

To: Thomas J. Bonfield, City Manager
Through: W. Bowman Ferguson, Deputy City Manager
From: Marvin G. Williams, Director of Public Works

Subject: Agenda Item - Street and Infrastructure Acceptances

Executive Summary

Pursuant to City ordinance, streets and associated infrastructure shall be considered for acceptance for maintenance by the City of Durham when they are improved in accordance with requirements established by the City Council. The following streets, associated infrastructure, and off street utilities have been improved to City of Durham standards:

Muirfield Village – PH II & III

- 1) Nicklaus Drive – from the end of Phase 1 construction @ STA 19+10 eastward through the cul-de-sac (690') and
- 2) Daly Court – from the centerline of Nicklaus Drive northward through the cul-de-sac (273') and
- 3) Skyler Lane – from the centerline of Nicklaus Drive north to the centerline of Victory Boulevard (421') and
- 4) Bogie Court – from the centerline of Nicklaus Drive northwest through the cul-de-sac (185') and
- 5) Victory Boulevard - from the end of Phase I construction east to the end pavement at STA 19+04 (373').

Ample Storage – Dominion Street

- 1) Dominion Street – from the south curbline of E. Club Boulevard southeast through the cul-de-sac (500'.)

Durham Co-Housing – Water Main

- 1) Hunt Street Water Main – from the existing 16" water @ STA 0+00 east to the end of construction @ STA 2+97.99 (298'.)

Kingsley Estates – Water Mains

- 1) Clausun Drive – from the existing water main at Scott King Road north then west to the end of construction @ STA 18+95 (910') and
- 2) Costin Court – from the Clausun Drive water main southwest to the end of construction @ STA 12+85 (295').

Gateway Terrace – Water & Sewer Mains

- 1) Watkins Road Water Main – from the end of the existing water main @ STA 16+30 east across Witherspoon Boulevard to the existing water main @ STA 10+00 (630') and
- 2) Watkins Road Sewer Main – from the end of the private sanitary sewer @ STA 12+00 west to the existing public sewer @ STA 10+00 (200').

Barbee Chapel Multi-Family – Water Main

- 1) Barbee Chapel Road Water Main – from the end of the existing water main @ STA 2+40 northwest to the main entrance of the complex (250').

Research Triangle Foundation – Water Mains

- 1) Louis Stephens Drive Water Main – from the existing water main north of Innovation Drive south to the end of construction @ STA 10+00 (3,630') and
- 2) Hopson Road Water Main – from the water main at Louis Stephens Drive west to the end of construction @ STA 26+25 (1,625').

Southern Reinforcing Main – Phase II

- 1) Southern Reinforcing Water Main – from the end of Phase I construction near the Ellis Road Elevated Storage Tank generally southeastward to the Angier Avenue Elevated Storage Tank (14,888').

Recommendation

The Public Works Department recommends that the City Council accept the above named streets, as well as the water, sewer, and storm drainage lines located within the street rights of way, and the sanitary sewer and water mains (additional infrastructure), for maintenance by the City of Durham.

Background:

Muirfield Village is located within an area that has been developed and is inside the City Limits. Per the extension agreements executed with the developer, street rights of way and utility easements have been dedicated as public with the understanding that once the streets were built to City of Durham standards and as defined by the agreements, these streets and associated infrastructure would be accepted for maintenance by the City.

Ample Storage is located within an area that has been developed and is inside the City Limits. Per the extension agreement executed with the developer, street rights of way and utility easements have been dedicated as public with the understanding that once the streets were built to City of Durham standards and as defined by the agreements, these streets and associated infrastructure would be accepted for maintenance by the City.

Durham Co-Housing is located within an area that has been developed and is inside the City Limits. Per the extension agreement executed with the developer, a water main was to be built to City of Durham standards and as defined by the agreement, this infrastructure (water line) would be accepted for maintenance by the City.

Kingsley Estates is located within an area that has been developed and is outside the City Limits. Per the extension agreement executed with the developer, a water main was to be built to City of Durham standards and as defined by the agreement, once completed, this infrastructure (water line) would be accepted for maintenance by the City. The street right-of-way is to be accepted by NCDOT, and the sewer system is a part of the Durham County system.

Gateway Terrace is located within an area that has been developed and is inside the City Limits. Per the extension agreement executed with the developer both a water main and a sewer main were to be built in Watkins Road to City of Durham standards. As defined by the agreement, once completed, this infrastructure (water main and sewer main) would be accepted for maintenance by the City.

Barbee Chapel Multi-Family Housing is located within an area that has been developed and is inside the City Limits. Per the extension agreement executed with the developer, a water main was to be built in Barbee Chapel Road to City of Durham standards. As defined by the agreement, once completed, this infrastructure (water line) would be accepted for maintenance by the City.

Research Triangle Foundation is located within an area that has been developed and is outside the City Limits. Per the extension agreement executed with the developer, a water main was to be built to City of Durham standards and as defined by the agreement, this infrastructure (water line) would be accepted for maintenance by the City. The sewer system is a part of the Durham County system.

The Southern Reinforcing Main is a City initiated project to improve the water pressure and volume in the service area and the water level consistency within the elevated storage tanks. The infrastructure has been completed to City of Durham standards and should be accepted for maintenance by the City.

Issues and Analysis:

Past practice has dictated that the City of Durham accept streets and infrastructure that are part of new developments with dedicated public rights of way as defined by the extension agreements.

Alternatives:

The alternative to accepting these streets and infrastructure from the developers would be to decline their requests and ask that they continue to maintain these streets and infrastructure under private maintenance programs.

Financial Impacts:

Accepting these streets and infrastructure would result in the City spending some additional annual maintenance funds. This expense would be somewhat mitigated by adding additional mileage to the annual Powell Bill listing, resulting in additional State Powell Bill funds for the City.

SBDE Summary:

N/A

MGW/mIn

cc: Robert Joyner, Public Works
Nathan McHenry, Public Works
Albius Mufalo, Public Works
Tony Haithcock, Public Works
George Locke, Public Works
Coleman Brown, Public Works
Dwight Murphy, Public Works
Benita Quick, Public Works
Andy Brogden, Water Management
Junior Mobley, Water Management
Mark Ahrendsen, Transportation
Terry Thompson, Transportation
Wesley Parham, Transportation
Phil Loziuk, Transportation
Elizabeth Poole, Communications
Kathy Compton, Finance
Youssef Hammad, Finance